

## Storm Data and Unusual Weather Phenomena - February 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp; Injuries</u>	<u>Property &amp; Crop Dmg</u>	<u>Event Type and Details</u>
<b>TEXAS, South Panhandle</b>				
<b>PARMER (TX-Z021), CASTRO (TX-Z022), SWISHER (TX-Z023), BRISCOE (TX-Z024), HALL (TX-Z025), CHILDRESS (TX-Z026), BAILEY (TX-Z027), LAMB (TX-Z028), HALE (TX-Z029), FLOYD (TX-Z030), COTTLE (TX-Z032), COCHRAN (TX-Z033), HOCKLEY (TX-Z034), LUBBOCK (TX-Z035), CROSBY (TX-Z036), TERRY (TX-Z040), LYNN (TX-Z041), KENT (TX-Z043)</b>				
	02/01/07 17:00 CST	0	0	Winter Weather
	02/02/07 10:00 CST	0	0	
<b>GARZA (TX-Z042), STONEWALL (TX-Z044)</b>				
	02/01/07 19:00 CST	0	0	Heavy Snow
	02/02/07 10:00 CST	0	0	

Snow began to fall over the west Texas South Plains during the late afternoon and evening hours of the 1st. Several narrow bands of heavy snow developed along and north of a Canadian cold front that was stationary over the southern South Plains and the Rolling Plains. Short duration bursts of heavy snow there resulted in locally heavy snowfall amounts with accumulations that ranged from four to seven inches in depth.

Light accumulations were reported elsewhere, over a large swath of the South Plains region. Storm total accumulations between one and three inches were common before the snow diminished in the wake of an arctic cold front during the late morning hours of the 2nd.

A list of reported snow accumulations follow:

- 7 inches at Aspermont (Stonewall County)
- 4 inches at Lake Alan Henry (Garza County)
- 3 inches at Jayton (Kent County)
- 3 inches at O'Donnell (Lynn County)
- 3 inches at Post (Garza County)
- 2 inches at Dimmitt (Castro County)
- 2 inches at Floydada (Floyd County)
- 2 inches at Levelland (Hockley County)
- 2 inches at Littlefield (Lamb County)
- 2 inches at Lubbock (Lubbock County)
- 2 inches at Plainview (Hale County)
- 1 inch at Brownfield (Terry County)
- 1 inch at Childress (Childress County)
- 1 inch at Crosbyton (Crosby County)
- 1 inch at Memphis (Hall County)
- 1 inch at Farwell (Parmer County)
- 1 inch at Morton (Cochran County)
- 1 inch at Muleshoe (Bailey County)
- 1 inch at Paducah (Cottle County)
- 1 inch at Silverton (Briscoe County)
- 1 inch at Tahoka (Lynn County)
- 1 inch at Tulia (Swisher County)

<b>PARMER (TX-Z021), CASTRO (TX-Z022), SWISHER (TX-Z023), BRISCOE (TX-Z024), HALL (TX-Z025), CHILDRESS (TX-Z026), BAILEY (TX-Z027), LAMB (TX-Z028), HALE (TX-Z029), FLOYD (TX-Z030), COCHRAN (TX-Z033), HOCKLEY (TX-Z034), LUBBOCK (TX-Z035), DICKENS (TX-Z037)</b>				
	02/14/07 04:00 CST	0	435K	Winter Weather
	02/14/07 20:00 CST	0	0	

Light to moderate snowfall impacted the South Plains region of west Texas on Valentine's Day. The snow began during the pre-dawn hours of the 14th, and persisted intermittently through much of the evening hours. Minor snow accumulations that ranged between a dusting up to three inches were common, with a few localized higher amounts.

Up to four inches of snow accumulated at Farwell (Parmer County), but the long duration of light to moderate snowfall that led to the accumulation exceeded time requirements for local Heavy Snow/Winter Storm criteria.

The widespread winter weather resulted in at least 125 vehicle accidents across the region. More than 110 of the collisions occurred in Lubbock. Damages exceeded \$325,000. No injuries were reported.

A list of reported snow accumulations follows:

- 4 inches at Farwell (Parmer County)
- 3 inches at Dimmitt (Castro County)

## Storm Data and Unusual Weather Phenomena - February 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp; Injuries</u>	<u>Property &amp; Crop Dmg</u>	<u>Event Type and Details</u>
2 inches at Dickens (Dickens County)				
2 inches at Lubbock (Lubbock County)				
2 inches at Muleshoe (Bailey County)				
2 inches at Plainview (Hale County)				
2 inches at Tulia (Swisher County)				
1 inch at Childress (Childress County)				
1 inch at Floydada (Floyd County)				
1 inch at Littlefield (Lamb County)				
1 inch at Memphis (Hall County)				
1 inch at Morton (Cochran County)				
1 inch at Silverton (Briscoe County)				

---

CASTRO (TX-Z022), SWISHER (TX-Z023), BRISCOE (TX-Z024), HALL (TX-Z025), CHILDRESS (TX-Z026), BAILEY (TX-Z027), LAMB (TX-Z028), HALE (TX-Z029), FLOYD (TX-Z030), MOTLEY (TX-Z031), COTTLE (TX-Z032), COCHRAN (TX-Z033), HOCKLEY (TX-Z034), LUBBOCK (TX-Z035), CROSBY (TX-Z036), DICKENS (TX-Z037), KING (TX-Z038), YOAKUM (TX-Z039), TERRY (TX-Z040), LYNN (TX-Z041), GARZA (TX-Z042), KENT (TX-Z043), STONEWALL (TX-Z044)

02/24/07 08:45 CST	0	560K	High Wind (MAX 61 kt)
02/24/07 15:00 CST	0	0	

---

LAMB (TX-Z028), HALE (TX-Z029), FLOYD (TX-Z030), MOTLEY (TX-Z031), COTTLE (TX-Z032), HOCKLEY (TX-Z034), LUBBOCK (TX-Z035), CROSBY (TX-Z036), DICKENS (TX-Z037), KING (TX-Z038), TERRY (TX-Z040), LYNN (TX-Z041), GARZA (TX-Z042), KENT (TX-Z043), STONEWALL (TX-Z044)

02/24/07 09:00 CST	0	170K	Dust Storm
02/24/07 15:00 CST	0	0	

A powerful storm system impacted the Southern Plains on the 24th. This system resulted in widespread severe winds and dust storm conditions. The Texas Tech University West Texas Mesonet recorded peak gusts up to 70 mph. Damage was reported over a large portion of the central South Plains and the Rolling Plains, with many roofs and light weight metal structures damaged, windows broken, and utility poles/lines downed.

The winds also contributed to an intense dust storm. Many local newspapers reported that the dust storm was one of the worst events in recent history. Multiple vehicle pile-ups damaged at least 30 vehicles in Garza, Lynn, and Lubbock Counties. One motorist was injured in a weather related accident along U.S. Highway 84 in Garza County, where visibility was reportedly limited to a few feet.

Snow flurries actually mixed with the dust before the winds subsided during the mid afternoon hours.

A list of observed severe wind gusts follows:

- 70 mph at Reese Center (Lubbock County)
- 69 mph at Crosby (Crosby County)
- 68 mph at Graham (Garza County)
- 67 mph at Guthrie (King County)
- 66 mph at Abernathy (Hale County)
- 65 mph at Amherst (Lamb County)
- 65 mph at Anton (Hockley County)
- 65 mph at Paducah (Cottle County)
- 65 mph at Ralls (Crosby County)
- 65 mph at Roaring Springs (Motley County)
- 65 mph at Slaton (Lubbock County)
- 64 mph at Brownfield (Terry County)
- 64 mph at Floydada (Floyd County)
- 64 mph at Lubbock International Airport (Lubbock County)
- 64 mph at Odonnell (Lynn County)
- 64 mph at Turkey (Hall County)
- 64 mph at Wolfforth (Lubbock County)
- 63 mph at Childress (Childress County)
- 63 mph at Plains (Yoakum County)
- 63 mph at Tahoka (Lynn County)
- 62 mph at Denver City (Yoakum County)
- 62 mph at Olton (Lamb County)
- 62 mph at Spur (Dickens County)
- 62 mph at Texas Tech University (Lubbock County)
- 62 mph at Tulia (Swisher County)
- 61 mph at Aspermont (Stonewall County)
- 61 mph at Jayton (Kent County)

## Storm Data and Unusual Weather Phenomena - February 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp; Injuries</u>	<u>Property &amp; Crop Dmg</u>	<u>Event Type and Details</u>
61 mph at Lake Alan Henry (Garza County)				
61 mph at Morton (Cochran County)				
61 mph at Plainview (Hale County)				
61 mph at Post (Garza County)				
60 mph at Levelland (Hockley County)				
60 mph at Silverton (Briscoe County)				
59 mph at Dimmitt (Castro County)				
59 mph at Sundown (Cochran County)				
58 mph at Muleshoe (Bailey County)				

---

**YOAKUM (TX-Z039)**

02/28/07 14:15 CST	0	0	High Wind (MAX 50 kt)
02/28/07 14:15 CST	0	0	

Strong to severe westerly winds impacted the west Texas South Plains region during the afternoon hours of the 28th. This as a strong storm system translated over the Southern Plains. Peak wind gusts were generally in the 45 to 55 mph range, however, one severe gust was measured at the Texas Tech University West Texas Mesonet site near Plains.